

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Currently Amended) ~~The system of claim 12 wherein the region generator further include:~~ A system for providing antialiasing of a graphical image from data describing at least one object, the at least one object including a plurality of fragments, the system comprising:
a display including a plurality of pixels, each of the plurality of pixels including a number of subpixels;
means coupled to the display for providing a plurality of fragments for the at least one object, the plurality of fragments intersecting the plurality of pixels, each of the plurality of fragments including an indication of a portion of a corresponding pixel that is intersected;
an antialiasing unit, coupled with the display, for providing antialiasing of each of the plurality of fragments based on the indication of the extent a corresponding pixel is intersected, the antialiasing unit further including
an accumulator for storing data relating to the pixel;
a region generator coupled with the accumulator for indicating at least one active region for the pixel and at least one new region, each of the at least one active region intersecting a portion of the pixel, the at least one new region being based on an intersection between the at

least one active region and the fragment, a first portion of the at least one new region indicating where in the pixel the at least one active region and the fragment intersect, a second portion of the at least one new region indicating where in the pixel the at least one active region and the fragment do not intersect, the region generator indicating the first portion of the at least one new region to be blended, the region generator further including

the region list for indicating the at least one active region for the pixel;

the intersection generator coupled with the region list determining at least one new region for the at least one active region and providing the region list with the at least one new region;

and

a blending unit coupled with the accumulator and the region providing, the blending unit blending a portion of the fragment in the first portion of the at least one new region in the fragment;.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)